

12v to 500v high voltage inverter production





Overview

Can a DC-DC converter convert 12V to 400V?

DC-DC converter, 12V to 400V?

Is this possible?

To be able to charge a high voltage battery (~400V) from solar panels I need a dc-dc converter that can boost up the voltage from the low voltage system (~12V) to the higher voltage. The power needed is about 400W, or 1A at the output.

What is a 12V power supply?

The higher voltage supplies large loads such as traction motor, air-conditioning, and starters. Lower-power components such as infotainment and safety systems will remain on 12V supplies. What does this EE do?

PMP7797 is a wide-input SEPIC converter designed for automotive applications.

How many volts does a 12V circuit take up?

This circuit takes up a minimum of 1.75" x 1.5" x 1" and can operate from 8.4V to 31.2V Input and output maximum of 500V safely (for the circuit). I recommend at least a 12V battery input. Specifications: Output Power Measured with 1-2 12V 34Ah Lead Acid Batteries for a Virtually Constant Voltage Source.

Can a 10ma battery go up from 12V to 400V?

There is no problem going up from 12V to 400V providing you are not looking to source more than a few milliamps. 10mA at 400V is 4W and there are plenty of chips and step-up transformers that will do this job. This is the closest thing I have found: [aliexpress.com/item/](https://www.aliexpress.com/item/). Out of curiosity, what kind of battery is this?



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Hybrid Solar Inverter 3.5/5.5KW Pure Sine Wave Inverter Built-in ...

Buy Hybrid Solar Inverter 3.5/5.5KW Pure Sine Wave Inverter Built-in MPPT 100A Solar Controller For Max 500V Optional Wifi Modu,High Efficiency at Walmart

[Product Information](#)

[High-Voltage \(~500V, Low-Current \(<50mA\) DC Power Supply ...](#)

Author Topic: High-Voltage (~500V, Low-Current (<50mA) DC Power Supply Design (Read 18403 times) 0 Members and 1 Guest are viewing this topic.

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[Inverters that support high voltage \(500v\) storage batteries](#)

It operates at a nice ratio like 0.5 to 1.5 and current isn't too high so it can be very efficient and inexpensive, and allow a bit lower voltage battery like 200-300V. 48V to 400V is a ...

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[OEM Customized 500v 1kv 2kv 3kv 5kv Automatic Voltage ...](#)

OEM Customized 500v 1kv 2kv 3kv 5kv Automatic Voltage Stabilizer - PACO High Efficiency Modified Sine Wave 500w to 5000w Power Inverter Dc 12v Ac 220v - Ligao Detail: Now we ...



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12v to 500v high voltage inverter Manufacturers and Suppliers

Our high quality 12v to 500v high voltage inverter is not only cheap price, but also durable. Our factory provides customized services, and we also have a quotation.

[Product Information](#)



[100-500V high voltage output converter](#)

AC to DC converter and DC DC converter manufactory, A High tech field on step-down (Buck) or boost power converter switching mode power supply and special requirement PCB mounted ...

[Product Information](#)



12v Inverter, 12v DC to 110v/220v AC Power Inverter , inverter

12V power inverter with continuous power 2000 watt, 4000 watt peak power, and max efficiency 90%. The 2000w modified sine wave inverter can convert 12 Volt DC to 110/120 Volt or ...

[Product Information](#)





[500W Solar Grid Tie Inverter, 12V/24V DC to ...](#)

High performance solar grid tie inverter is 500 watt AC output power with low price, pure sine wave, 12 volt/ 24 volt DC voltage input to 110 volt/ 230 volt AC ...

[Product Information](#)



[High-voltage DC/DC converter generation 3evo](#)

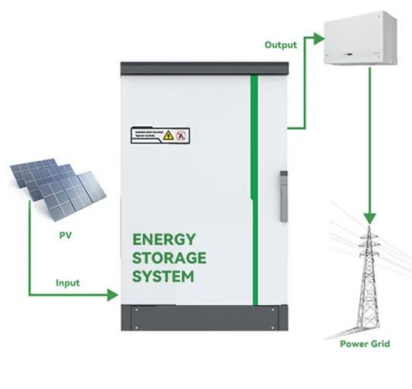
The generation 3evo is a cost-attractive standalone converter designed for automotive applications, produced on the Bosch electronic engine control unit production lines.

[Product Information](#)

[High Voltage Solutions in HEV/EV Part II:](#)

The higher voltage supplies large loads such as traction motor, air-conditioning, and starters. Lower-power components such as infotainment and safety systems will remain on 12V supplies.

[Product Information](#)



[High Voltage Inverter, DC 6V-12V to 500KV High Tension ...](#)

About this item HIGH VOLTAGE GENERATOR:High voltage generator input voltage DC 6V to 12 V; output voltage about 500KV~1000KV; input current 2A - 5A, after the ...

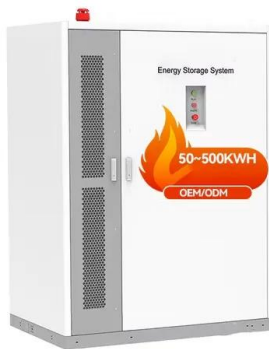
[Product Information](#)



DC-DC HV Boost Converter : 7 Steps

Making a custom PCB will be more compact and have a much better appearance. This circuit only takes up 1 5/8" x 1 1/4" x 1" and can operate from 8.4V to 31.2V and output maximum of 500V ...

[Product Information](#)



[Off Grid Solar Inverter - Hybrid Solar Inverter & ESS ...](#)

High Frequency Off Grid Solar Inverter
1.6~6.2KW , PV 400/450/500V , Dual output , DC 12V,24V,48V PV1800 ECO is a multi-function inverter/charger, ...

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[Inverters that support high voltage \(500v\) storage batteries](#)

I'm in Japan (100v 60hz) and am researching the best inverter brand and model to buy for a DIY solar build. I intend to connect a Leaf 24kWh battery to it for home storage. I'm a ...

[Product Information](#)



[DC 12v to 500kv 500000V Step-up Power Module](#)

After the input terminal DC6V-12V voltage can get tens of thousands of volts of direct current high voltage at the output. It can be used for high school science experiment, electronic equipment, ...

[Product Information](#)



DC 6V-12V to 500Kv High Voltage Generator Inverter Boost ...

DC type pulse: DC12V DC high voltage pulse generator module ignition coil capacitance arc distance 50mm. Small production: This module is a science of small ...

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[Inverters that support high voltage \(500v\) storage batteries](#)

Otherwise, if you do not sell your production and do not have net metering, output power will not be limited by the inverter's maximum power (what it can output), but by what it ...

[Product Information](#)



[Simple 12-14 Volt DC to High Voltage AC Inverter](#)

Fig. 1 Simple 12-14 Volt DC to High Voltage AC Inverter by Lewis Loflin Fig. 1 illustrates using an inverter circuit to power a 300-volt xenon flash tube. The ...

[Product Information](#)



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